IN THE CLAIMS -

and

Please amend the claims as follows. All pending claims, whether or not amended, are presented below for convenience.

1. (Amended) A wafer carrier for supporting a substrate, comprising:

a circular plate having a flat edge region extending around the circumference of said plate;

a circular recessed center region having a recessed bottom surface and including an upwardly inclined surface around the periphery of said recessed bottom surface,

wherein the substrate is supported by a portion of the upwardly inclined surface and is spaced apart from said recessed bottom surface such that the substrate is supported by said wafer carrier only around a peripheral edge of the substrate, and

wherein said wafer carrier is comprised of a material having a coefficient of thermal expansion that enables the upwardly inclined surface to maintain contact substantially entirely around the peripheral edge of the substrate during processing at elevated temperatures,

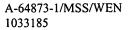
whereby deposition on a backside of the substrate is substantially prevented.

- 2. (Unchanged) The wafer carrier of Claim 1 wherein said recessed bottom surface further comprises at least one aperture formed therein for receiving at least one support member to engage the substrate.
- 3. (Unchanged) The wafer carrier of Claim 1 wherein said circular recessed center region has a diameter of approximately 200 mm.
- 4. (Unchanged) The wafer carrier of Claim 1 wherein said circular recessed center region has a diameter of approximately 300 mm.
- 5. (Unchanged) The wafer carrier of Claim 1 wherein said upwardly inclined surface is inclined at an angle in the range of approximately 5 to 45 degrees to the plane of the recessed bottom surface.

- 6. (Unchanged) The wafer carrier of Claim 1 wherein said upwardly inclined surface is inclined at an angle of approximately 10° to the plane of the bottom recessed surface.
- 8. (Unchanged) The wafer carrier of Claim 1 wherein said wafer carrier is comprised of a material having thermal conductivity in the range of 40 to 70 W/m/K.
- 9. (Unchanged) The wafer carrier of Claim 1 wherein said wafer carrier is comprised of a material selected from the group of silicon carbide, aluminum nitride, large-grained polycrystalline silicon and silicon/silicon carbide alloy.
- 10. (Unchanged) The wafer carrier of Claim 1 wherein the wafer is spaced apart from said recessed bottom surface by a distance of approximately 0.15 to 0.5 mm.
- 11. (Unchanged) The wafer carrier of Claim 1 wherein the wafer is spaced apart from said recessed bottom surface by a distance of approximately 0.25 mm.
- 12. (Unchanged) The wafer carrier of Claim 1 wherein said flat edge region has a width of approximately 5 to 25 mm.



24. (Added) The wafer carrier of Claim 1 wherein said material of the wafer carrier comprises an isotropic coefficient of thermal expansion in the range of 2.6X10⁻⁶ to 5X10⁻⁶/°C.



25. (Added) A wafer carrier for supporting a substrate comprising:

a circular plate having a flat edge region extending around the circumference of said plate;

a circular recessed center region having a recessed bottom surface and including an upwardly inclined surface around the periphery of said recessed bottom surface,

wherein the substrate is supported by a portion of the upwardly inclined surface and is spaced apart from said recessed bottom surface such that the substrate is supported by said wafer carrier only around a peripheral edge of the substrate, and

wherein said wafer carrier comprises a material having an isotropic coefficient of thermal expansion in the range of 2.6×10^{-6} to 5×10^{-6} °C.

- 26. (Added) The wafer carrier of Claim 25 wherein said substrate comprises a material having a coefficient of thermal expansion in the range of 2,6X10⁻⁶ to 5X10⁻⁶/°C.
- 27. (Added) The wafer carrier of Claim 25 wherein said material of the substrate comprises a material having a coefficient of thermal expansion substantially equal to that of the wafer carrier.
- 28. (Added) The wafer carrier of Claim 25 wherein said material of the substrate comprises an isotropic coefficient of thermal expansion.

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